

In the claims:

Claims 1-10 (Cancelled).

11. (Currently Amended) A multi-layer foil suitable for forming electrical resistors for inclusion in a printed circuit board comprising a copper metal layer having two opposite sides, one side having a shiny surface and the opposite side having a matte surface, and an electrically resistive composite material layer on the copper metal layer shiny surface wherein the electrically resistive composite material layer includes from about 0.01 to about 99.9 area % of nickel and from about 0.01 to about 99.9 area % of particles of alumina; which multi-layer foil is formed by codepositing the alumina and the nickel onto the copper metal layer shiny surface by electrodeposition and wherein the electrically resistive composite material has a resistivity of from about 1 to about 10,000 ohms/square; and a surface of said copper metal layer having been provided with a silane adhesion promoting treatment, said treated surface being between the copper metal layer and the electrically resistive composite material layer.

Claims 12-29 (Cancelled)

30. (Previously Presented) The multi-layer foil of claim 11 wherein the electrically resistive composite material layer has been codeposited from an electrolyte solution having a pH of from about 2 to 6.

31. (Previously Presented) The multi-layer foil of claim 11 wherein the electrically resistive composite material layer has been codeposited from an electrolyte solution having a temperature of from about 25°C to 45°C.

32. (Previously Presented) The multi-layer foil of claim 11 wherein the electrically resistive composite material layer has been codeposited from an electrolyte solution including from about 20 to about 250 g/l of nickel sulfamate and from about 10 g/l to about 300 g/l or more of alumina.

33. (Previously Presented) The multi-layer foil of claim 11 wherein the electrically resistive composite material layer has been codeposited from an electrolyte solution having a pH of from about 2 to 6, a temperature of from about 25°C to 45°C, and includes from about 20 to about 250 g/l of nickel sulfamate and from about 10 g/l to about 300 g/l or more of alumina particles.

34. (Previously Presented) The multi-layer foil of claim 11 wherein the alumina particles have a mean particle size ranging from about 0.01 to about 20 microns.

35. (Previously Presented) The multi-layer foil of claim 34 wherein the alumina particles have a mean particle size of less than about 1.0 microns.

36. (Cancelled)

Please cancel claim 36.